



LKT Laboratories, Inc.

Temozolomide

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Product Information

Product ID T1849
CAS No. 85622-93-1
Chemical Name 3,4-Dihydro-3-methyl-4-oxoimidazo[5,1-d]-1,2,3,5-tetrazine-8-carboxamide

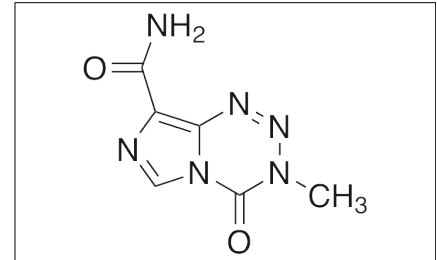
Synonym Methazolastone, Temodal, Temodar

Formula C₆H₆N₆O₂
Formula Wt. 194.15
Melting Point 212° C (dec)
Purity ≥98%
Solubility Soluble in DMSO to 39mg/mL, Water to 5 mg/mL, Ethanol <1mg/mL

Store Temp 4° C

Ship Temp Ambient

Description Temozolomide is a second generation imidazotetrazine anticancer chemotherapeutic that is clinically approved to treat glioblastoma multiforme, anaplastic astrocytoma, and oligodendrocytoma. Temozolomide acts as an alkylating agent, attaching alkyl groups to guanine bases in DNA and interfering with DNA replication. This compound is 100% orally bioavailable and enters the cerebrospinal fluid easily and quickly.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
T1849	25 mg	\$90.00
T1849	100 mg	\$247.30
T1849	500 mg	\$936.40

References Nagasawa DT, Chow F, Yew A, et al. Temozolomide and other potential agents for the treatment of glioblastoma multiforme. *Neurosurg Clin N Am.* 2012 Apr;23(2):307-22, ix. PMID: 22440874.

Wesolowski JR, Rajdev P, Mukherji SK. Temozolomide (Temodar). *AJNR Am J Neuroradiol.* 2010 Sep;31(8):1383-4. PMID: 2053882.

Friedman HS, Kerby T, Calvert H. Temozolomide and treatment of malignant glioma. *Clin Cancer Res.* 2000 Jul;6(7):2585-97. PMID: 10914698.

Horing E, Harter PN, Seznec J, et al. The “go or grow” potential of gliomas is linked to the necropeptide processing enzyme carboxypeptidase E and mediated by metabolic stress. *Acta Neuropathol.* 2012 Jul;124(1):83-97. PMID: 22249620.

Momiyama M, Suetsugu A, Chishima T, et al. Subcellular real-time imaging of the efficacy of temozolomide on cancer cells in the brain of live mice. *Anticancer Res.* 2013 Jan;33(1):103-106. PMID: 23267133.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.